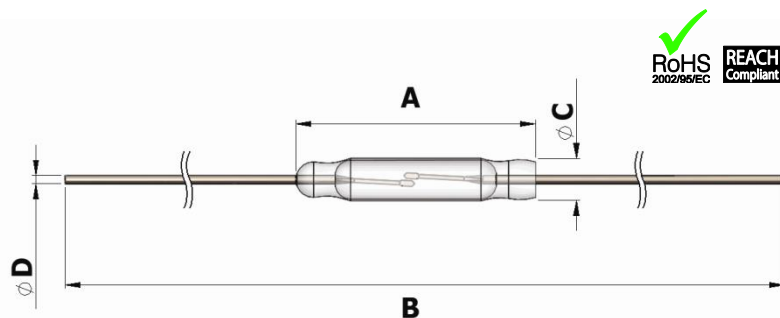


GR501 Reed Switch



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- Professional grade sub miniature reed switch with PGM alloy contacts
- Designed for General Purpose
- Useful for security system applications and other magnetic systems requiring long operating distances with permanent magnets

Physical Characteristics

A	Glass Length (Max.)	12.7 mm
B	Overall Length (Max.)	54 mm
C	Glass Diameter (Max.)	2.3 mm
D	Lead Diameter (Nom.)	0.45 mm

Electrical Characteristics

Contact Arrangement	Form A (SPST), Centre Gap
Contact Material	PGM alloy
Power Rating (Max.) ¹	10 Watts
Switching Current (Max.) DC or Peak AC	0.5 A
Carry Current (Max.) DC or Peak AC	1 A
Switching Voltage (Max.) DC or Peak AC	200 VDC
Breakdown Voltage (Min. @20AT) ²	250 VDC
Contact Resistance (Max.)	100 Milliohms
Insulation Resistance (Min.)	10 ¹² Ohms
Contact Capacitance (Max.) @10 kHz across open switch	0.3 pf

1. The specification for VA rating may sometimes be exceeded for less sensitive (higher AT) switches, and should be decreased for very sensitive (lower AT) switches. Standex-Meder Electronics will run life tests specific to a customer's load upon request.
2. Switch leakage current is limited to 100 microamperes

Operating Characteristics

Magnetic Sensitivity (Pull-In excitation)	7 to 35 Ampere Turns
Hysteresis	Refer to Chart 2
Operate Time, including bounce (typ.)	0.5 Milliseconds
Release Time (typ.)	0.1 Milliseconds
Vibration, 10-2,000 Hz (G's Max.)	50 G
Shock, 11-ms. 1/2 Sine wave (G's Max.)	100 G
Operating Temperature	-40°C to + 125°C
Storage Temperature	-50°C to + 155°C
Wave Soldering Temperature (5 sec max)	260°C

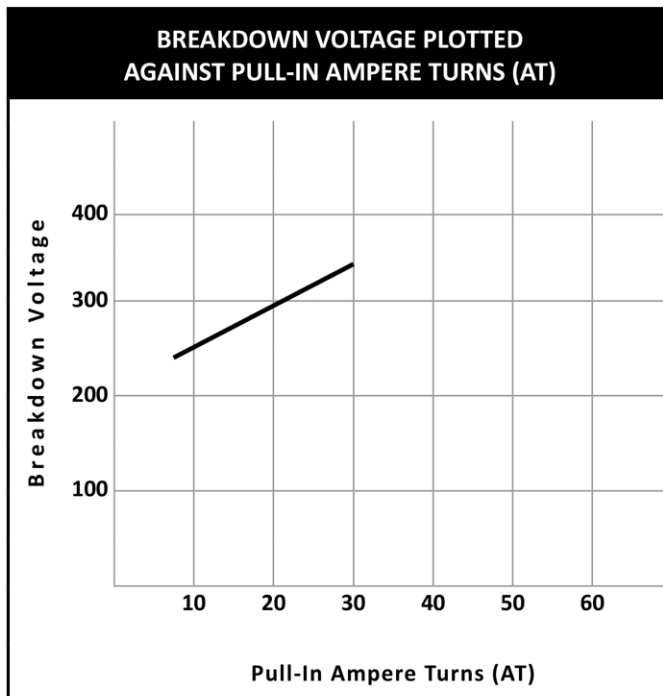


Chart 1

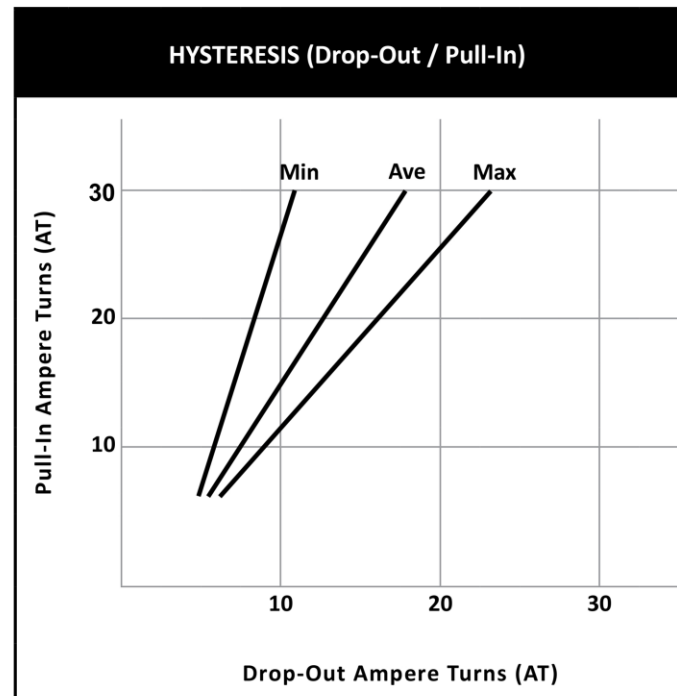


Chart 2